On Demand Home Services Website

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Abstract: *This research presents the development of an on-demand home services website built using PHP and XAMPP, utilizing MySQL for database management. The platform provides users with an efficient and secure way to book and manage home maintenance, repair, and cleaning services. The website incorporates user authentication, real-time booking, and automated service matching to enhance the user experience. JSON is utilized to manage backend features and ensure seamless data exchange between the client and server.*

The system includes MySQL-based login and registration modules for secure authentication and storage of booking details. A structured PHP backend handles service requests, provider allocation, and dynamic pricing models. The website also features an intuitive user dashboard where customers can track service status, communicate with providers, and receive notifications. Security mechanisms such as encrypted passwords and role-based access control enhance data protection.

This study explores the technical challenges in developing a PHP-based service platform, including database optimization, API handling, and performance scaling. Future improvements will include AI-driven recommendations, integration with payment gateways, and enhanced automation for service scheduling and customer support. Additionally, expanding the platform to support mobile applications will ensure greater accessibility and convenience for users across multiple devices..

Keywords: PHP, XAMPP, MySQL, JSON, User Authentication, Booking System, Secure Transactions, Web Services, Home Maintenance